

ABSTRACT OF THE DISCLOSURE

1 A solid-state image pickup apparatus with a shortened
signal reading out time in performing, for example, a light
measurement control even in an application in which
5 photosensitive cells are highly integrated, and a method of
reading out a signal. With a digital still camera, in a mode
set by a mode setting section, a system control section controls
a drive signal generator to generate a drive signal. Light
from an objective imaging field is incident onto an image pickup
10 device through a color separation filter having color filters
at least one of three separated colors arranged in a column
direction. The image pickup device photoelectrically converts
the incident light by each of photosensitive cells incorporated
therein, receives the drive signal on a signal reading out
15 gate, and performs a transfer of signal charge. A signal
reading out only for the one of separated colors is in turn
performed taking account of the arrangement of the color filter
segments of color separation filter.

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